AO 106 (Rev. 04/10) Application for a Search Warrant (Modified: WAWD 10-26-18)

UNITED STATES DISTRICT COURT

for the

Western District of Washington

In the Matter of the Search of
(Briefly describe the property to be searched or identify the person by name and address)
The SUBJECT PREMISES at 806 S. 39th Street, Unit B, Tacoma Washington 98418
PERSON Christopher Anderson, XX/XX/1979

Case No. MJ19-5261

APPLICATION FOR A SEARCH WARRANT

I, a federal law enforcement officer or an attorney for the government, request a search warrant and state under penalty of perjury that I have reason to believe that on the following person or property *(identify the person or describe the property to be searched and give its location)*:
The SUBJECT PREMISES at 806 S. 39th Street, Unit B, Tacoma, WA 98418 and PERSON of Christopher Anderson as further described in Attachment A, which is attached hereto and incorporated herein by this reference.

located in the Western District of Washington, there is now concealed *(identify the person or describe the property to be seized)*:

See Attachment B, incorporated herein by reference.

The basis for the search under Fed. R. Crim. P. 41(c) is *(check one or more)*:

- ☑ evidence of a crime;
- ☑ contraband, fruits of crime, or other items illegally possessed;
- ☑ property designed for use, intended for use, or used in committing a crime;
- ☐ a person to be arrested or a person who is unlawfully restrained.

The search is related to a violation of:

Code Section	*Offense Description*
Title 18, U.S.C. § 2252 (a)(2)	Receipt or Distribution of Child Pornography
Title 18, U.S.C. § 2252(a)(4)(B)	Possession of Child Pornography

The application is based on these facts:

✓ See attached Affidavit continued on the attached sheet

☐ Delayed notice of days (give exact ending date if more than 30 days:) is requested under 18 U.S.C. § 3103a, the basis of which is set forth on the attached sheet.

Pursuant to Fed. R. Crim. P. 4.1, this warrant is presented: ☐ by reliable electronic means; or: ☐ telephonically recorded.

Applicant's signature

Special Agent, George Long, DHS-ICE
Printed name and title

◉ The foregoing affidavit was sworn to before me and signed in my presence, or
○ The above-named agent provided a sworn statement attesting to the truth of the foregoing affidavit by telephone.

Date: 12/17/2019

Judge's signature

City and state: Tacoma, Washington

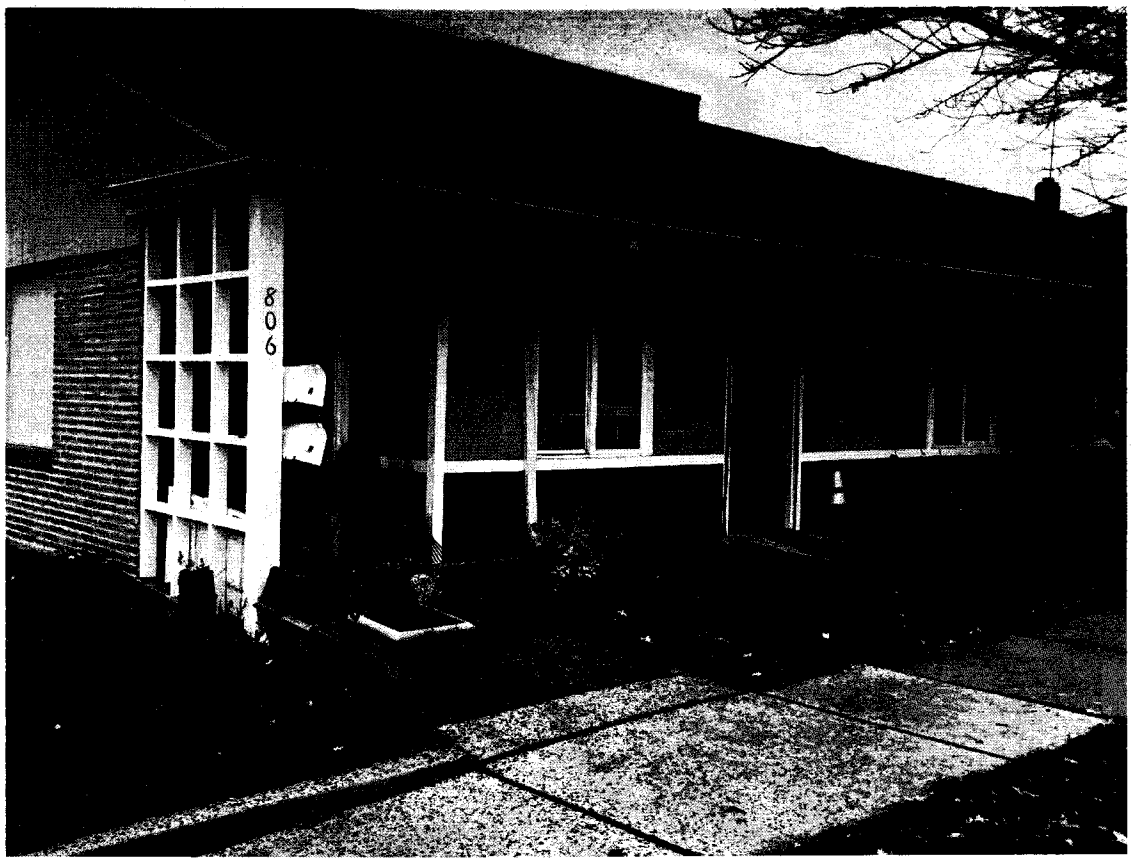
Theresa L. Fricke, United States Magistrate Judge
Printed name and title

USAO: 2019R01205

ATTACHMENT A

Description of the Property to be Searched

a. The physical address of the SUBJECT PREMISES is 806 S. 39th Street, Unit B, Tacoma, Washington 98418. The SUBJECT PREMISES is more fully described as a unit within a three-unit apartment building situated on the southwest corner of Yakima Avenue and 39th Street. The Hong Kong Super Market is located directly across the street from the apartment building. The front of the building faces north and is panted beige with white trim. The back and sides of the building are covered with a red brick facade. Unit B is located near the northwest corner of the building. It has a brown door that faces north that has the letter "B" is displayed on it. The numbers "806" are displayed on front of the building on wooden pillars on located on the east and west side of the buildings.



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The search is to include all rooms, attics, basements, or other areas located in Unit B, any parking spaces, garages, or storage spaces attached to or specifically assigned to Unit B, as well as any digital device(s) found therein.

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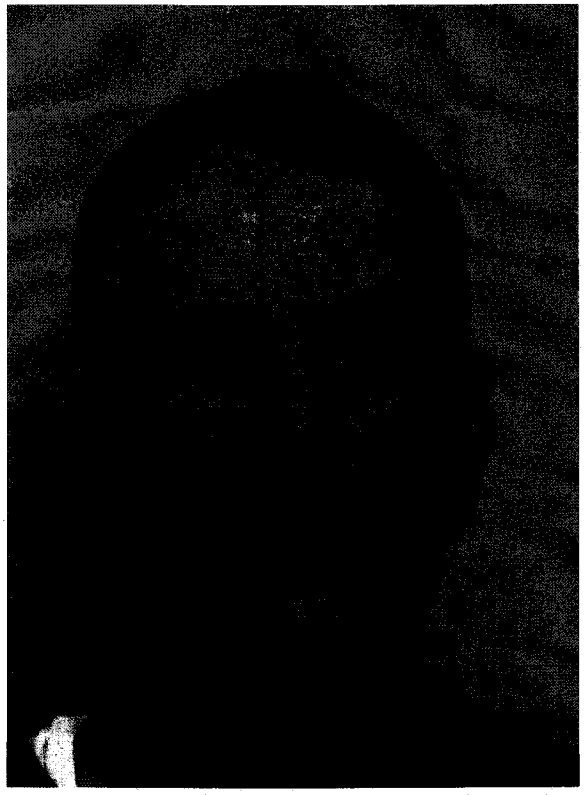
Description of Person to be Searched

The person to be searched, CHRISTOPHER MICHAEL ANDERSON, is a white male who was born on XX/XX/1979. He is approximately 5'7" tall and weighs approximately 125 pounds.



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ATTACHMENT B

ITEMS TO BE SEIZED

The following records, documents, files, or materials, in whatever form, including handmade or mechanical form (such as printed, written, handwritten, or typed), photocopies or other photographic form, and electrical, electronic, and magnetic form (such as CDs, DVDs, smart cards, thumb drives, camera memory cards, electronic notebooks, or any other storage medium), that constitute evidence, instrumentalities, or fruits of violations of 18 U.S.C. § 2252(a)(4)(B) (Possession of Child Pornography) which may be found at the SUBJECT PREMISES and on the person of CHRISTOPHER MICHAEL ANDERSON.

1. Any visual depiction of minor(s) engaged in sexually explicit conduct, in any format or media.

2. Evidence of any associated email accounts, instant message accounts or other communications or digital storage such as cloud accounts.

3. Letters, e-mail, text messages, and other correspondence identifying persons transmitting child pornography, or evidencing the transmission of child pornography, through interstate or foreign commerce, including by mail or by computer;

4. All invoices, purchase agreements, catalogs, canceled checks, money order receipts, credit card statements or other documents pertaining to the transportation or purchasing of images of minors engaged in sexually explicit conduct;

5. Any and all address books, names, lists of names, telephone numbers, and addresses of individuals engaged in the transfer, exchange, or sale of child pornography;

6. Any and all address books, names, lists of names, telephone numbers, and addresses of minors;

7. Any and all diaries, notebooks, notes, non-pornographic pictures of children, and any other records reflecting personal contact or other activities with minors.

8. Any non-digital recording devices and non-digital media capable of storing images and videos.

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9. Digital devices and/or their components, which include, but are not limited to:

a. Any digital devices and storage device capable of being used to commit, further, or store evidence of the offense listed above, including but not limited to computers, digital cameras, and smart phones;

b. Any digital devices used to facilitate the transmission, creation, display, encoding or storage of data, including word processing equipment, modems, docking stations, monitors, cameras, printers, encryption devices, and optical scanners;

c. Any magnetic, electronic, or optical storage device capable of storing data, such as disks, tapes, CD-ROMs, CD-Rs, CD-RWs, DVDs, printer or memory buffers, smart cards, PC cards, memory sticks, flash drives, thumb drives, camera memory cards, media cards, electronic notebooks, and personal digital assistants;

d. Any documentation, operating logs and reference manuals regarding the operation of the digital device or software;

e. Any applications, utility programs, compilers, interpreters, and other software used to facilitate direct or indirect communication with the computer hardware, storage devices, or data to be searched;

f. Any physical keys, encryption devices, dongles and similar physical items that are necessary to gain access to the computer equipment, storage devices or data; and

g. Any passwords, password files, test keys, encryption codes or other information necessary to access the computer equipment, storage devices or data;

10. Evidence of who used, owned or controlled any seized digital device(s) at the time the things described in this warrant were created, edited, or deleted, such as logs, registry entries, saved user names and passwords, documents, and browsing history;

11. Evidence of malware that would allow others to control any seized digital device(s) such as viruses, Trojan horses, and other forms of malicious software, as well

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as evidence of the presence or absence of security software designed to detect malware; as well as evidence of the lack of such malware;

12. Evidence of the attachment to the digital device(s) of other storage devices or similar containers for electronic evidence;

13. Evidence of counter-forensic programs (and associated data) that are designed to eliminate data from a digital device;

14. Evidence of times the digital device(s) was used;

15. Any other ESI from the digital device(s) necessary to understand how the digital device was used, the purpose of its use, who used it, and when.

The seizure of digital devices and/or their components as set forth herein is specifically authorized by this search warrant, not only to the extent that such digital devices constitute instrumentalities of the criminal activity described above, but also for the purpose of the conducting off-site examinations of their contents for evidence, instrumentalities, or fruits of the aforementioned crimes.

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AFFIDAVIT

STATE OF WASHINGTON)
) ss
COUNTY OF PIERCE)

I, George Long, being duly sworn, state as follows:

INTRODUCTION AND AGENT BACKGROUNDS

1. I am a Special Agent (SA) with the U.S. Department of Homeland Security (DHS), Immigration and Customs Enforcement (ICE), Homeland Security Investigations (HSI), assigned to the Office of the Special Agent in Charge (SAC), Seattle, Washington. I have been employed as an HSI agent since September 2005. HSI is responsible for enforcing customs and immigration laws, and federal criminal statutes of the United States. As part of my duties, I investigate criminal violations relating to child exploitation and child pornography, including violations pertaining to the illegal production, distribution, receipt, and possession of child pornography and material involving the sexual exploitation of minors in violation of 18 U.S.C. §§ 2251, 2252, and 2252A.

2. I am a graduate of the Federal Law Enforcement Training Center (FLETC), the ICE Special Agent Training Program, and have received further specialized training in the investigation of child pornography and child exploitation crimes. I have also had the opportunity to observe and review examples of child pornography (as defined in 18 U.S.C. § 2256(8)). I have participated in the execution of previous search warrants, which involved child exploitation and/or child pornography offenses, and the search and seizure of computers, related peripherals, and computer media equipment. I have worked with other federal, state, and local law enforcement personnel in the investigation and prosecution of crimes involving the sexual exploitation of children. Prior to working for HSI, I was employed as a State Trooper by the Arizona Department of Public Safety for approximately nine years.

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3. I am submitting this affidavit in support of an application under Rule 41 of the Federal Rules of Criminal Procedure for a warrant to search the premises located at 806 S. 39th Street, Unit B, Tacoma, Washington 98418 (the "SUBJECT PREMISES"), and the person of CHRISTOPHER MICHAEL ANDERSON (the "SUBJECT PERSON"), more fully described in attachment A of this affidavit, for the property and items described in attachment B of this affidavit.

4. The warrant would authorize a search of the SUBJECT PREMISES and the SUBJECT PERSON, and the seizure of items listed in attachment B, for evidence, fruits, and instrumentalities of violations of 18 U.S.C. § 2252(a)(2) (Receipt or Distribution of Child Pornography) and 18 U.S.C. § 2252(a)(4)(B) (Possession of Child Pornography).

5. The facts set forth in this affidavit are based on the following: my own personal knowledge; knowledge obtained from other individuals during my participation in this investigation, including other law enforcement officers; interviews of witnesses; my review of records related to this investigation; communications with others who have knowledge of the events and circumstances described herein; and information gained through my training and experience.

6. Because this affidavit is submitted for the limited purpose of establishing probable cause in support of the application for a search warrant, it does not set forth each and every fact I or others have learned during the course of this investigation. I have set forth only the facts I believe are relevant to the determination of probable cause to believe evidence, fruits, and instrumentalities of violations of 18 U.S.C. § 2252(a)(2) (Receipt or Distribution of Child Pornography) and 18 U.S.C. § 2252(a)(4)(B) (Possession of Child Pornography) will be found in the SUBJECT PREMISES and on the person of CHRISTOPHER MICHAEL ANDERSON.

SUMMARY OF PROBABLE CAUSE

7. From my training and experience, I know that Kik Messenger, also known as KIK, is an instant messenger mobile application (app) for mobile devices from Kik Interactive. KIK is available free of charge on iOS, Android, and Windows Phone

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operating systems. Among its features, KIK permits users to engage in one-on-one or group chats, as well as share image and video files. KIK was based and headquartered in Waterloo, Ontario, Canada, until approximately October 2019, when it was acquired by MediaLab.

8. From my training and experience, I am aware that certain KIK users use KIK's features to traffic images and videos of child pornography. In order to combat this activity, KIK employs the use of hash matching software to identify users who are sharing child exploitation material using KIK's services. A hash value can be analogized to a "digital fingerprint." The probability that any two files will have the same hash value is extremely low, meaning that when two files have the same hash value, it is virtually certain that they are identical.

9. KIK utilizes the hash matching software, to run a hash value check against every file sent within KIK, including those sent as part of private conversations. When a user sends a file with a hash value that matches a known child sexual abuse material hash value, the account is banned. The KIK Trust and Safety Team receives a daily report of all such hash matches. When the company was headquartered in Canada, it had a mandatory obligation to report these matches to the Royal Canadian Mounted Police (RCMP). With each report, KIK provided some or all of the following information:

- Subscriber data associated with the reported user;
- Full conversation log that exists on the reporter's device, including timestamps and Internet Protocol (IP) addresses, as well as text content;
- Images/Videos associated

SUMMARY OF INVESTIGATION

10. HSI routinely investigates child exploitation leads received from the RCMP. These include leads resulting from the KIK reports made to the RCMP as described above. KIK reported to the RCMP all instances where its security team had discovered child pornography exchanged or discussed via the KIK application. Included in the lead, there is normally profile data of the user, any text transcript if applicable, and

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any files shared. These leads are then forwarded to HSI Cyber Crimes Center, which distributes the leads to the HSI field offices based on the geolocation of the associated Internet Protocol (IP) address.

11. In March 2019, HSI Seattle received information regarding KIK user "FLASH325325" (the SUBJECT ACCOUNT) through the process described above. KIK reported the SUBJECT ACCOUNT shared a file, with the hash value ending in "XIKH" (the SUBJECT FILE) on February 18, 2019, at approximately 08:36:33 Universal Coordinated Time (UTC), from the IP address 131.191.84.181 (the SUBJECT IP). The hash value of the SUBJECT FILE was identified via hash matching software as a child exploitation image hash file. The SUBJECT FILE was not viewed by KIK or the RCMP to verify that it was in fact a child exploitation image. Although the SUBJECT FILE was provided by KIK and is in my possession as part of the lead information, I also have not viewed the SUBJECT FILE.

12. Subscriber information provided by KIK indicates the SUBJECT ACCOUNT was created on February 2, 2019. The user identified his/her first name as "Element", his/her last name as "B", and his/her date of birth (DOB) as XX/XX/1979. The subscriber's e-mail address was identified as "elementb916916@gmail.com". IP logs included with the subscriber information revealed that between February 4, 2019, and February 18, 2019, the SUBJECT ACCOUNT regularly accessed the KIK application via the SUBJECT IP and IP address 73.140.111.214. Subsequent investigation identified Click! Network as the internet service provider (ISP) to whom the SUBJECT IP is assigned and Comcast as the ISP to whom address 73.140.111.214 is assigned.

13. I contacted the HSI Cyber Crimes Center and learned the hash value associated with SUBJECT FILE is maintained in an HSI repository of known child exploitation images. I obtained a copy of this file (the REPOSITORY FILE), which has a hash value identical to the SUBJECT FILE. I viewed the REPOSITORY FILE and describe it as follows:

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> This color image depicts a prepubescent female kneeling face down on a bed with her buttocks elevated in the air. Her buttocks are red and appear to have been struck by something. The child's anus and vagina are fully exposed and are the focal point of the image. Based on the child's small stature, lack of visible pubic hair, and lack of sexual development, I estimated she is approximately six to ten years of age.

14. As noted above, because the REPOSITORY FILE[1] and the SUBJECT FILE have the same hash value, I know from my training and experience that it is virtually certain that the two files are the same.

15. A DHS summons was served to Click! Network to obtain subscriber information for the account registered to or associated with the SUBJECT IP on or about February 5, 2019 at 09:53:45 UTC, through February 18, 2019 at 08:36:50 UTC. Click identified the subscriber as John Gross, with a service address at 3919 S. 19th Street, Tacoma, Washington. Open source internet checks revealed Park Rose Care Center is located at 3919 S, 19th Street, Tacoma, Washington. Their website indicates Park Rose Care Center is an assisted living community that offers nursing and long-term care services to their clients.

16. A DHS summons was served to Comcast to obtain subscriber information for the account registered to or associated with IP address 73.140.111.214 on or about February 17, 2019 at 05:27:21 UTC, through February 18, 2019 at 03:44:50 UTC. Comcast identified the subscriber as T.Y., with a service address at 806 S. 39th Street, Unit B, Tacoma, Washington (the SUBJECT PREMISES).

17. Searches conducted in law enforcement databases revealed that on August 28, 2019, CHRISTOPHER MICHAEL ANDERSON was issued a Washington driver license that identifies his address as 806 S. 39th Street, Unit B, Tacoma, Washington. Notably, the DOB listed on his driver license matched the DOB listed on the SUBJECT ACCOUNT. In November 2005, ANDERSON was found to have submitted finger prints

[1] A copy of this file is included with this application as Exhibit 1 and will be provided to the reviewing magistrate judge. Exhibit 1 will not be filed with this application but instead will remain in the custody of HSI so that it can be made available should it be relevant to any future litigation involving this search application.

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to the State of California as an applicant for employment at an elderly residential care facility.

18. A search of social media revealed ANDERSON has a Facebook account under the name "Chris Anderson", and an Instagram account listed under "element916916". A DHS summons was served to Facebook to obtain subscriber information for Facebook accounts registered to or associated with e-mail address elementb916916@gmail.com, and to obtain subscriber information for Instagram account elementb916916. Facebook identified e-mail address elementb916916@gmail.com as ANDERSON's "registered e-mail address" for his Facebook account. They identified the subscriber of Instagram account elementb916916 as "ElementB" and the "registered e-mail address" associated with this account as elementb916916@gmail.com.

19. On October 31, 2019, I spoke with a Park Rose Care Center representative who verified ANDERSON is employed at Park Rose Care Center. They also confirmed internet service is available to all staff, residents, and guests, via Wi-fi.

20. A DHS summons was served to Park Rose Care Center to obtain ANDERSON's employment information and time cards documenting any hours he worked on February 17, 2019, and February 18, 2019. The Park Rose Care Center reported ANDERSON has been employed as a Certified Nursing Assistant since January 23, 2019, and is assigned to shift that starts at 10:30 p.m., and ends at 6:30 a.m. A timecard was provided showing ANDERSON clocked in for work at 10:33 p.m. on February 17, 2019 and clocked out at 3:30 a.m. on February 18, 2019. He clocked back in at 4:02 a.m. and clocked out for good at 6:34 a.m.

21. I accessed the website worldtimebuddy.com and used it to convert the SUBJECT IMAGE'S upload time from UTC to Pacific Standard Time (PST). The conversion revealed the SUBJECT IMAGE was uploaded on February 18, 2019, at 12:36:33 a.m. PST.

22. On December 6, 2019, I conducted surveillance of the SUBJECT PREMISES. At approximately 7:09 AM, I saw a silver Hyundai Sonata park in front of

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the SUBJECT PREMISES that displayed Washington license plate BJF3433. I saw ANDERSON exit the vehicle, walk towards the apartments, and disappear from my sight.

23. Checks conducted in law enforcement databases revealed Washington license plate BJF3433 is registered to a 2014 Hyundai Sonata owned by T.Y. at 806 S. 39th Street, Unit B, Tacoma, Washington.

24. Based on my investigation to date, it does not appear that there are any residents of the SUBJECT PREMISES other than ANDERSON and T.Y.

TECHNICAL BACKGROUND

25. Based on my training and experience, when an individual communicates through the Internet, the individual leaves an IP address which identifies the individual user by account and ISP (as described above). When an individual is using the Internet, the individual's IP address is visible to administrators of websites they visit. Further, the individual's IP address is broadcast during most Internet file and information exchanges that occur.

26. Based on my training and experience, I know that most ISPs provide only one IP address for each residential subscription. I also know that individuals often use multiple digital devices within their home to access the Internet, including desktop and laptop computers, tablets, and mobile phones. A device called a router is used to connect multiple digital devices to the Internet via the public IP address assigned (to the subscriber) by the ISP. A wireless router performs the functions of a router but also includes the functions of a wireless access point, allowing (wireless equipped) digital devices to connect to the Internet via radio waves, not cables. Based on my training and experience, today many residential Internet customers use a wireless router to create a computer network within their homes where users can simultaneously access the Internet (with the same public IP address) with multiple digital devices.

27. Based on my training and experience and information provided to me by computer forensic agents, I know that data can quickly and easily be transferred from one digital device to another digital device. Data can be transferred from computers or other

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digital devices to internal and/or external hard drives, tablets, mobile phones, and other mobile devices via a USB cable or other wired connection. Data can also be transferred between computers and digital devices by copying data to small, portable data storage devices including USB (often referred to as "thumb") drives, memory cards (Compact Flash, SD, microSD, etc.) and memory card readers, and optical discs (CDs/DVDs).

28. As outlined above, residential Internet users can simultaneously access the Internet in their homes with multiple digital devices. Also explained above is how data can quickly and easily be transferred from one digital device to another through the use of wired connections (hard drives, tablets, mobile phones, etc.) and portable storage devices (USB drives, memory cards, optical discs). Therefore, a user could access the Internet using their assigned public IP address, receive, transfer or download data, and then transfer that data to other digital devices, which may or may not have been connected to the Internet during the date and time of the specified transaction.

29. Based on my training and experience, I have learned that the computer's ability to store images and videos in digital form makes the computer itself an ideal repository for child pornography. The size of hard drives used in computers (and other digital devices) has grown tremendously within the last several years. Hard drives with the capacity of four (4) terabytes (TB) are not uncommon. These drives can store thousands of images and videos at very high resolution.

30. Based on my training and experience, and information provided to me by other law enforcement officers, I know that people tend to use the same user names across multiple accounts and email services.

31. Based on my training and experience, collectors and distributors of child pornography also use online resources to retrieve and store child pornography, including services offered by companies such as Google, Yahoo, Apple, and Dropbox, among others. The online services allow a user to set up an account with a remote computing service that provides email services and/or electronic storage of computer files in any variety of formats. A user can set up an online storage account from any computer with

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access to the Internet. Evidence of such online storage of child pornography is often found on the user's computer. Even in cases where online storage is used, however, evidence of child pornography can be found on the user's computer in most cases.

32. As is the case with most digital technology, communications by way of computer can be saved or stored on the computer used for these purposes. Storing this information can be intentional, i.e., by saving an email as a file on the computer or saving the location of one's favorite websites in, for example, "bookmarked" files. Digital information can also be retained unintentionally, e.g., traces of the path of an electronic communication may be automatically stored in many places (e.g., temporary files or ISP client software, among others). In addition to electronic communications, a computer user's Internet activities generally leave traces or "footprints" and history files of the browser application used. A forensic examiner often can recover evidence suggesting whether a computer contains wireless software, and when certain files under investigation were uploaded or downloaded. Such information is often maintained indefinitely until overwritten by other data.

33. Based on my training and experience, I have learned that producers of child pornography can produce image and video digital files from the average digital camera, mobile phone, or tablet. These files can then be easily transferred from the mobile device to a computer or other digital device, using the various methods described above. The digital files can then be stored, manipulated, transferred, or printed directly from a computer or other digital device. Digital files can also be edited in ways similar to those by which a photograph may be altered; they can be lightened, darkened, cropped, or otherwise manipulated. As a result of this technology, it is relatively inexpensive and technically easy to produce, store, and distribute child pornography. In addition, there is an added benefit to the child pornographer in that this method of production is a difficult trail for law enforcement to follow.

34. As part of my training and experience, I have become familiar with the structure of the Internet, and I know that connections between computers on the Internet

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routinely cross state and international borders, even when the computers communicating with each other are in the same state. Individuals and entities use the Internet to gain access to a wide variety of information; to send information to, and receive information from, other individuals; to conduct commercial transactions; and to communicate via email.

35. Based on my training and experience, I know that cellular mobile phones (often referred to as "smart phones") have the capability to access the Internet and store information, such as images and videos. As a result, an individual using a smart phone can send, receive, and store files, including child pornography, without accessing a personal computer or laptop. An individual using a smart phone can also easily connect the device to a computer or other digital device, via a USB or similar cable, and transfer data files from one digital device to another. Moreover, many media storage devices, including smartphones and thumb drives, can easily be concealed and carried on an individual's person and smartphones and/or mobile phones are also often carried on an individual's person.

36. As set forth herein and in Attachment B to this Affidavit, I seek permission to search for and seize evidence, fruits, and instrumentalities of the above-referenced crimes that might be found at the SUBJECT PREMISES or on the SUBJECT PERSON, in whatever form they are found. It has been my experience that individuals involved in child pornography often prefer to store images of child pornography in electronic form. The ability to store images of child pornography in electronic form makes digital devices, examples of which are enumerated in Attachment B to this Affidavit, an ideal repository for child pornography because the images can be easily sent or received over the Internet. As a result, one form in which these items may be found is as electronic evidence stored on a digital device.

37. Based upon my knowledge, experience, and training in child pornography investigations, and the training and experience of other law enforcement officers with

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whom I have had discussions, I know that there are certain characteristics common to individuals who have a sexualized interest in children and depictions of children:

a. They may receive sexual gratification, stimulation, and satisfaction from contact with children; or from fantasies they may have viewing children engaged in sexual activity or in sexually suggestive poses, such as in person, in photographs, or other visual media; or from literature describing such activity.

b. They may collect sexually explicit or suggestive materials in a variety of media, including photographs, magazines, motion pictures, videotapes, books, slides, and/or drawings or other visual media. Such individuals often times use these materials for their own sexual arousal and gratification. Further, they may use these materials to lower the inhibitions of children they are attempting to seduce, to arouse the selected child partner, or to demonstrate the desired sexual acts. These individuals may keep records, to include names, contact information, and/or dates of these interactions, of the children they have attempted to seduce, arouse, or with whom they have engaged in the desired sexual acts.

c. They often maintain any "hard copies" of child pornographic material that is, their pictures, films, video tapes, magazines, negatives, photographs, correspondence, mailing lists, books, tape recordings, etc., in the privacy and security of their home or some other secure location. These individuals typically retain these "hard copies" of child pornographic material for many years, as they are highly valued.

d. Likewise, they often maintain their child pornography collections that are in a digital or electronic format in a safe, secure and private environment, such as a computer and surrounding area. These collections are often maintained for several years and are kept close by, often at the individual's residence or some otherwise easily accessible location, to enable the owner to view the collection, which is valued highly.

e. They also may correspond with and/or meet others to share information and materials; rarely destroy correspondence from other child pornography distributors/collectors; conceal such correspondence as they do their sexually explicit

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material; and often maintain lists of names, addresses, and telephone numbers of individuals with whom they have been in contact and who share the same interests in child pornography.

f. They generally prefer not to be without their child pornography for any prolonged time period. This behavior has been documented by law enforcement officers involved in the investigation of child pornography throughout the world.

g. E-mail itself provides a convenient means by which individuals can access a collection of child pornography from any computer, at any location with Internet access. Such individuals therefore do not need to physically carry their collections with them but rather can access them electronically. Furthermore, these collections can be stored on email "cloud" servers, which allow users to store a large amount of material at no cost, without leaving any physical evidence on the users' computer(s).

38. In addition to offenders who collect and store child pornography, law enforcement has encountered offenders who obtain child pornography from the internet, view the contents and subsequently delete the contraband, often after engaging in self-gratification. In light of technological advancements, increasing Internet speeds and worldwide availability of child sexual exploitative material, this phenomenon offers the offender a sense of decreasing risk of being identified and/or apprehended with quantities of contraband. This type of consumer is commonly referred to as a 'seek and delete' offender, knowing that the same or different contraband satisfying their interests remain easily discoverable and accessible online for future viewing and self-gratification. I know that, regardless of whether a person discards or collects child pornography he/she accesses for purposes of viewing and sexual gratification, evidence of such activity is likely to be found on computers and related digital devices, including storage media, used by the person. This evidence may include the files themselves, logs of account access events, contact lists of others engaged in trafficking of child pornography, backup files, and other electronic artifacts that may be forensically recoverable.

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39. Given the above-stated facts, and based on my knowledge, training and experience, along with my discussions with other law enforcement officers who investigate child exploitation crimes, I believe that ANDERSON is the owner of the SUBJECT ACCOUNT and likely has a sexualized interest in children and depictions of children, and that evidence of child pornography is likely to be found on digital media devices, including mobile and/or portable digital devices found at the SUBJECT PREMISES or on the SUBJECT PERSON.

40. Based on my training and experience, and that of computer forensic agents that I work and collaborate with on a daily basis, I know that every type and kind of information, data, record, sound or image can exist and be present as electronically stored information on any of a variety of computers, computer systems, digital devices, and other electronic storage media. I also know that electronic evidence can be moved easily from one digital device to another. As a result, I believe that electronic evidence may be stored on any digital device present at the SUBJECT PREMISES or on the SUBJECT PERSON.

41. Based on my training and experience, and my consultation with computer forensic agents who are familiar with searches of computers, I know that in some cases the items set forth in Attachment B may take the form of files, documents, and other data that is user-generated and found on a digital device. In other cases, these items may take the form of other types of data - including in some cases data generated automatically by the devices themselves.

42. Based on my training and experience, and my consultation with computer forensic agents who are familiar with searches of computers, I believe that if digital devices are found in the SUBJECT PREMISES or on the SUBJECT PERSON, there is probable cause to believe that the items set forth in Attachment B will be stored in those digital devices for a number of reasons, including but not limited to the following:

a. Once created, electronically stored information (ESI) can be stored for years in very little space and at little or no cost. A great deal of ESI is created, and

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stored, moreover, even without a conscious act on the part of the device operator. For example, files that have been viewed via the Internet are sometimes automatically downloaded into a temporary Internet directory or "cache," without the knowledge of the device user. The browser often maintains a fixed amount of hard drive space devoted to these files, and the files are only overwritten as they are replaced with more recently viewed Internet pages or if a user takes affirmative steps to delete them. This ESI may include relevant and significant evidence regarding criminal activities, but also, and just as importantly, may include evidence of the identity of the device user, and when and how the device was used. Most often, some affirmative action is necessary to delete ESI. And even when such action has been deliberately taken, ESI can often be recovered, months or even years later, using forensic tools.

b. Wholly apart from data created directly (or indirectly) by user-generated files, digital devices - in particular, a computer's internal hard drive - contain electronic evidence of how a digital device has been used, what it has been used for, and who has used it. This evidence can take the form of operating system configurations, artifacts from operating systems or application operations, file system data structures, and virtual memory "swap" or paging files. Computer users typically do not erase or delete this evidence, because special software is typically required for that task. However, it is technically possible for a user to use such specialized software to delete this type of information - and, the use of such special software may itself result in ESI that is relevant to the criminal investigation. In particular, to properly retrieve and analyze electronically stored (computer) data, and to ensure accuracy and completeness of such data and to prevent loss of the data either from accidental or programmed destruction, it is necessary to conduct a forensic examination of the computers. To effect such accuracy and completeness, it may also be necessary to analyze not only data storage devices, but also peripheral devices which may be interdependent, the software to operate them, and related instruction manuals containing directions concerning operation of the computer and software.

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SEARCH AND/OR SEIZURE OF DIGITAL DEVICES

43. In addition, based on my training and experience and that of computer forensic agents that I work and collaborate with on a daily basis, I know that in most cases it is impossible to successfully conduct a complete, accurate, and reliable search for electronic evidence stored on a digital device during the physical search of a search site for a number of reasons, including but not limited to the following:

a. Technical Requirements: Searching digital devices for criminal evidence is a highly technical process requiring specific expertise and a properly controlled environment. The vast array of digital hardware and software available requires even digital experts to specialize in particular systems and applications, so it is difficult to know before a search which expert is qualified to analyze the particular system(s) and electronic evidence found at a search site. As a result, it is not always possible to bring to the search site all of the necessary personnel, technical manuals, and specialized equipment to conduct a thorough search of every possible digital device/system present. In addition, electronic evidence search protocols are exacting scientific procedures designed to protect the integrity of the evidence and to recover even hidden, erased, compressed, password-protected, or encrypted files. Since ESI is extremely vulnerable to inadvertent or intentional modification or destruction (both from external sources and from destructive code embedded in the system such as a "booby trap"), a controlled environment is often essential to ensure its complete and accurate analysis.

b. Volume of Evidence: The volume of data stored on many digital devices is typically so large that it is impossible to search for criminal evidence in a reasonable period of time during the execution of the physical search of a search site. A single megabyte of storage space is the equivalent of 500 double-spaced pages of text. A single gigabyte of storage space, or 1,000 megabytes, is the equivalent of 500,000 double-spaced pages of text. Computer hard drives are now being sold for personal computers capable of storing up to four terabytes (4,000 gigabytes of data.) Additionally,

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this data may be stored in a variety of formats or may be encrypted (several new commercially available operating systems provide for automatic encryption of data upon shutdown of the computer).

c. Search Techniques: Searching the ESI for the items described in Attachment B may require a range of data analysis techniques. In some cases, it is possible for agents and analysts to conduct carefully targeted searches that can locate evidence without requiring a time-consuming manual search through unrelated materials that may be commingled with criminal evidence. In other cases, however, such techniques may not yield the evidence described in the warrant, and law enforcement personnel with appropriate expertise may need to conduct more extensive searches, such as scanning areas of the disk not allocated to listed files, or peruse every file briefly to determine whether it falls within the scope of the warrant.

44. In this particular case, and in order to protect the third party privacy of innocent individuals residing in the residence, the following are search techniques that will be applied:

i. Device use and ownership will be determined through interviews, if possible, and through the identification of user account(s), associated account names, and logons associated with the device. Determination of whether a password is used to lock a user's profile on the device(s) will assist in knowing who had access to the device or whether the password prevented access.

ii. Use of hash value library searches.

iii. Use of keyword searches, i.e., utilizing key words that are known to be associated with the sharing of child pornography.

iv. Identification of non-default programs that are commonly known to be used for the exchange and viewing of child pornography, such as, eMule, uTorrent, BitTorrent, Ares, Shareaza, Gnutella, etc.

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v. Looking for file names indicative of child pornography, such as, PTHC, PTSC, Lolita, 3yo, etc. and file names identified during the undercover download of child pornography.

vi. Viewing of image files and video files.

vii. As indicated above, the search will be limited to evidence of child pornography and will not include looking for personal documents and files that are unrelated to the crime.

45. These search techniques may not all be required or used in a particular order for the identification of digital devices containing items set forth in Attachment B to this Affidavit. However, these search techniques will be used systematically in an effort to protect the privacy of third parties. Use of these tools will allow for the quick identification of items authorized to be seized pursuant to Attachment B to this Affidavit and will also assist in the early exclusion of digital devices and/or files which do not fall within the scope of items authorized to be seized pursuant to Attachment B to this Affidavit.

46. In accordance with the information in this Affidavit, law enforcement personnel will execute the search of digital devices seized pursuant to this warrant as follows:

a. Upon securing the search site, the search team will conduct an initial review of any digital devices/systems to determine whether the ESI contained therein can be searched and/or duplicated on site in a reasonable amount of time and without jeopardizing the ability to accurately preserve the data.

b. If, based on their training and experience, and the resources available to them at the search site, the search team determines it is not practical to make an on-site search, or to make an on-site copy of the ESI within a reasonable amount of time and without jeopardizing the ability to accurately preserve the data, then the digital devices will be seized and transported to an appropriate law enforcement laboratory for review and to be forensically copied ("imaged"), as appropriate.

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c. In order to examine the ESI in a forensically sound manner, law enforcement personnel with appropriate expertise will produce a complete forensic image, if possible and appropriate, of any digital device that is found to contain data or items that fall within the scope of Attachment B of this Affidavit. In addition, appropriately trained personnel may search for and attempt to recover deleted, hidden, or encrypted data to determine whether the data fall within the list of items to be seized pursuant to the warrant. In order to search fully for the items identified in the warrant, law enforcement personnel, which may include investigative agents, may then examine all of the data contained in the forensic image/s and/or on the digital devices to view their precise contents and determine whether the data fall within the list of items to be seized pursuant to the warrant.

d. The search techniques that will be used will be only those methodologies, techniques and protocols as may reasonably be expected to find, identify, segregate and/or duplicate the items authorized to be seized pursuant to Attachment B to this Affidavit.

e. If, after conducting its examination, law enforcement personnel determine that any digital device is an instrumentality of the criminal offenses referenced above, the government may retain that device during the pendency of the case as necessary to, among other things, preserve the instrumentality evidence for trial, ensure the chain of custody, and litigate the issue of forfeiture.

47. In order to search for ESI that falls within the list of items to be seized pursuant to Attachment B to this Affidavit, law enforcement personnel will seize and search the following items (heretofore and hereinafter referred to as "digital devices"), subject to the procedures set forth above:

a. Any digital device capable of being used to commit, further, or store evidence of the offense(s) listed above;

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b. Any digital device used to facilitate the transmission, creation, display, encoding, or storage of data, including word processing equipment, modems, docking stations, monitors, printers, cameras, encryption devices, and optical scanners;

c. Any magnetic, electronic, or optical storage device capable of storing data, such as disks, tapes, CD-ROMs, CD-Rs, CD-RWs, DVDs, printer or memory buffers, smart cards, PC cards, memory sticks, flash drives, thumb drives, camera memory cards, media cards, electronic notebooks, and personal digital assistants;

d. Any documentation, operating logs and reference manuals regarding the operation of the digital device, or software;

e. Any applications, utility programs, compilers, interpreters, and other software used to facilitate direct or indirect communication with the device hardware, or ESI to be searched;

f. Any physical keys, encryption devices, dongles and similar physical items that are necessary to gain access to the digital device, or ESI; and

g. Any passwords, password files, test keys, encryption codes or other information necessary to access the digital device or ESI.

GENUINE RISKS OF DESTRUCTION OF EVIDENCE

48. Any other means of obtaining the necessary evidence to prove the elements of computer/Internet-related crimes, for example, a consent search, could result in an unacceptable risk of the loss/destruction of the evidence sought. If agents pursued a consent-based interview of and/or a consent-based search of digital media belonging to CHRISTOPHER MICHAEL ANDERSON at the SUBJECT PREMISES, he could rightfully refuse to give consent and subsequently destroy all evidence of the crime before agents could return with a search warrant. Based on my knowledge, training and experience, the only effective means of collecting and preserving the required evidence in this case is through a search warrant.

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CONCLUSION

49. Based on the foregoing, I believe there is probable cause that evidence, fruits, and instrumentalities of violations of 18 U.S.C. § 2252(a)(4)(B) (Possession of Child Pornography) and 18 U.S.C. § 2252(a)(2) (Receipt or Distribution of Child Pornography) are located at the SUBJECT PREMISES, as more fully described in Attachment A to this Affidavit, as well as on and in any digital devices found therein. I therefore request that the court issue a warrant authorizing a search of the SUBJECT PREMISES and on the person of CHRISTOPHER MICHAEL ANDERSON for the items more fully described in Attachment B hereto, incorporated herein by reference, and the seizure of any such items found therein.

GEORGE LONG,
Affiant, Special Agent
Department of Homeland Security
Homeland Security Investigations

SUBSCRIBED and SWORN to before me this 17th day of December, 2019. In addition to the above, I have also reviewed a copy of the REPOSITORY FILE included as Exhibit 1. Upon completing my review of Exhibit 1, I placed that copy in an envelope, sealed it, and placed my signature across the seal.

THERESA L. FRICKE
United States Magistrate Judge

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ATTACHMENT A

Description of the Property to be Searched

a. The physical address of the SUBJECT PREMISES is 806 S. 39th Street, Unit B, Tacoma, Washington 98418. The SUBJECT PREMISES is more fully described as a unit within a three-unit apartment building situated on the southwest corner of Yakima Avenue and 39th Street. The Hong Kong Super Market is located directly across the street from the apartment building. The front of the building faces north and is panted beige with white trim. The back and sides of the building are covered with a red brick facade. Unit B is located near the northwest corner of the building. It has a brown door that faces north that has the letter "B" is displayed on it. The numbers "806" are displayed on front of the building on wooden pillars on located on the east and west side of the buildings.

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The search is to include all rooms, attics, basements, or other areas located in Unit B, any parking spaces, garages, or storage spaces attached to or specifically assigned to Unit B, as well as any digital device(s) found therein.

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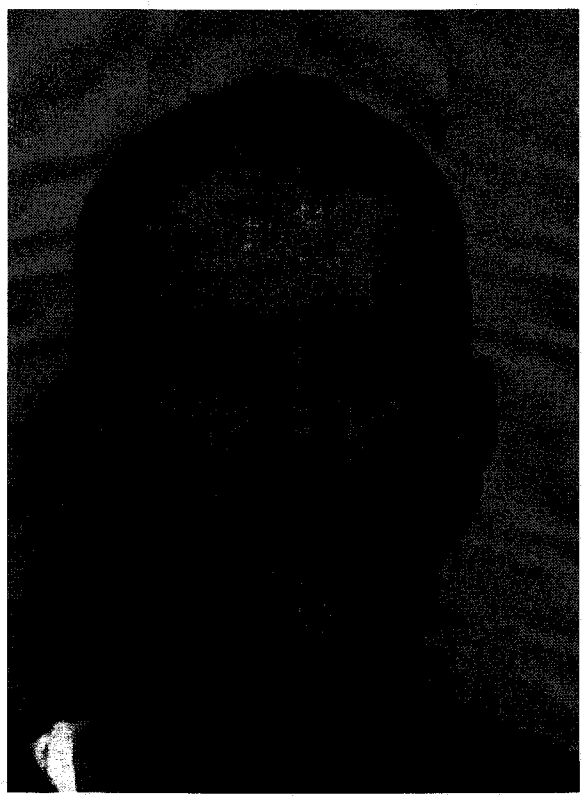
Description of Person to be Searched

The person to be searched, CHRISTOPHER MICHAEL ANDERSON, is a white male who was born on XX/XX/1979. He is approximately 5'7" tall and weighs approximately 125 pounds.



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ATTACHMENT B

ITEMS TO BE SEIZED

The following records, documents, files, or materials, in whatever form, including handmade or mechanical form (such as printed, written, handwritten, or typed), photocopies or other photographic form, and electrical, electronic, and magnetic form (such as CDs, DVDs, smart cards, thumb drives, camera memory cards, electronic notebooks, or any other storage medium), that constitute evidence, instrumentalities, or fruits of violations of 18 U.S.C. § 2252(a)(4)(B) (Possession of Child Pornography) which may be found at the SUBJECT PREMISES and on the person of CHRISTOPHER MICHAEL ANDERSON.

1. Any visual depiction of minor(s) engaged in sexually explicit conduct, in any format or media.

2. Evidence of any associated email accounts, instant message accounts or other communications or digital storage such as cloud accounts.

3. Letters, e-mail, text messages, and other correspondence identifying persons transmitting child pornography, or evidencing the transmission of child pornography, through interstate or foreign commerce, including by mail or by computer;

4. All invoices, purchase agreements, catalogs, canceled checks, money order receipts, credit card statements or other documents pertaining to the transportation or purchasing of images of minors engaged in sexually explicit conduct;

5. Any and all address books, names, lists of names, telephone numbers, and addresses of individuals engaged in the transfer, exchange, or sale of child pornography;

6. Any and all address books, names, lists of names, telephone numbers, and addresses of minors;

7. Any and all diaries, notebooks, notes, non-pornographic pictures of children, and any other records reflecting personal contact or other activities with minors.

8. Any non-digital recording devices and non-digital media capable of storing images and videos.

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9. Digital devices and/or their components, which include, but are not limited to:

a. Any digital devices and storage device capable of being used to commit, further, or store evidence of the offense listed above, including but not limited to computers, digital cameras, and smart phones;

b. Any digital devices used to facilitate the transmission, creation, display, encoding or storage of data, including word processing equipment, modems, docking stations, monitors, cameras, printers, encryption devices, and optical scanners;

c. Any magnetic, electronic, or optical storage device capable of storing data, such as disks, tapes, CD-ROMs, CD-Rs, CD-RWs, DVDs, printer or memory buffers, smart cards, PC cards, memory sticks, flash drives, thumb drives, camera memory cards, media cards, electronic notebooks, and personal digital assistants;

d. Any documentation, operating logs and reference manuals regarding the operation of the digital device or software;

e. Any applications, utility programs, compilers, interpreters, and other software used to facilitate direct or indirect communication with the computer hardware, storage devices, or data to be searched;

f. Any physical keys, encryption devices, dongles and similar physical items that are necessary to gain access to the computer equipment, storage devices or data; and

g. Any passwords, password files, test keys, encryption codes or other information necessary to access the computer equipment, storage devices or data;

10. Evidence of who used, owned or controlled any seized digital device(s) at the time the things described in this warrant were created, edited, or deleted, such as logs, registry entries, saved user names and passwords, documents, and browsing history;

11. Evidence of malware that would allow others to control any seized digital device(s) such as viruses, Trojan horses, and other forms of malicious software, as well

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as evidence of the presence or absence of security software designed to detect malware; as well as evidence of the lack of such malware;

12. Evidence of the attachment to the digital device(s) of other storage devices or similar containers for electronic evidence;

13. Evidence of counter-forensic programs (and associated data) that are designed to eliminate data from a digital device;

14. Evidence of times the digital device(s) was used;

15. Any other ESI from the digital device(s) necessary to understand how the digital device was used, the purpose of its use, who used it, and when.

The seizure of digital devices and/or their components as set forth herein is specifically authorized by this search warrant, not only to the extent that such digital devices constitute instrumentalities of the criminal activity described above, but also for the purpose of the conducting off-site examinations of their contents for evidence, instrumentalities, or fruits of the aforementioned crimes.

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